



SEQUENCE LISTING

<110> Yeaman, Michael R.
Shen, Alexander J.

<120> ANTIMICROBIAL PEPTIDES AND DERIVED
METAPEPTIDES

<130> 660081.415C1

<140> US 09/648,816
<141> 2000-08-25

<150> US 09/622,561
<151> 2000-08-18

<160> 111

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 74

<212> PRT

<213> Oryctolagus cuniculus

<400> 1

Ser	Asp	Asp	Pro	Lys	Glu	Ser	Glu	Gly	Asp	Leu	His	Cys	Val	Cys	Val
1				5					10			15			
Lys	Thr	Thr	Ser	Leu	Val	Arg	Pro	Arg	His	Ile	Thr	Asn	Leu	Glu	Leu
				20				25				30			
Ile	Lys	Ala	Gly	Gly	His	Cys	Pro	Thr	Ala	Asn	Leu	Ile	Ala	Thr	Lys
	35				40				45						
Lys	Asn	Gly	Arg	Lys	Leu	Cys	Leu	Asp	Leu	Gln	Ala	Ala	Leu	Tyr	Lys
	50				55				60						
Lys	Lys	Ile	Ile	Lys	Lys	Leu	Leu	Glu	Ser						
	65				70										

<210> 2

<211> 74

<212> PRT

<213> Oryctolagus cuniculus

<400> 2

Ser	Asp	Asp	Pro	Lys	Glu	Ser	Glu	Gly	Asp	Leu	His	Cys	Val	Cys	Val
1				5					10			15			
Lys	Thr	Thr	Ser	Leu	Val	Arg	Pro	Gly	His	Ile	Thr	Asn	Leu	Glu	Leu
				20				25				30			
Ile	Lys	Ala	Gly	Gly	His	Cys	Pro	Thr	Ala	Asn	Leu	Ile	Ala	Thr	Lys
	35				40				45						
Lys	Asn	Gly	Arg	Lys	Leu	Cys	Leu	Asp	Leu	Gln	Ala	Ala	Leu	Tyr	Lys
	50				55				60						
Lys	Lys	Ile	Ile	Lys	Lys	Leu	Leu	Glu	Ser						
	65				70										

RECEIVED

MAR 14 2002

TECH CENTER 1600/2900

<210> 3
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 3
Ala Leu Tyr Lys Lys Phe Lys Lys Leu Leu Lys Ser Leu Lys Arg
1 5 10 15
Leu Gly

<210> 4
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 4
Ala Arg Tyr Lys Lys Phe Lys Lys Leu Leu Lys Ser
1 5 10

<210> 5
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 5
Lys Leu Tyr Arg Lys Phe Lys Asn Lys Leu Leu Lys Leu Lys
1 5 10

<210> 6
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 6
Ala Arg Tyr Arg Lys Phe Lys Asn Lys Ile Leu Lys Ser
1 5 10

<210> 7
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 7
Ala Arg Tyr Arg Lys Phe Arg Asn Lys Ile Leu Arg Ser
1 5 10

<210> 8
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 8
Lys Leu Tyr Lys Lys Trp Lys | Lys Lys Leu Leu Lys Leu Lys
1 5 10

<210> 9
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 9
Ala Leu Tyr Lys Lys Trp Lys Asn Lys Leu Leu Lys Ser
1 5 10

<210> 10
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon

microbiocidal domains from platelet microbial proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 10
Lys Leu Tyr Lys Lys Trp Lys Asn Lys Leu Lys Arg Ser Leu Lys Arg
1 5 10 15
Leu Gly

<210> 11
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon microbiocidal domains from platelet microbial proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 11
Ala Leu Tyr Lys Lys Leu Phe Lys Lys Leu Leu Lys Arg
1 5 10

<210> 12
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon microbiocidal domains from platelet microbial proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 12
Gly Leu Tyr Lys Arg Leu Phe | Lys Lys Leu Leu Lys Ser
1 5 10

<210> 13
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon microbiocidal domains from platelet microbial proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 13
Ala Leu Tyr Lys Arg Leu Phe Lys Lys Leu Lys Lys Phe
1 5 10

<210> 14
<211> 17

<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 14
Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu

<210> 15
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 15
Arg Phe Glu Lys Ser Lys Ile Lys
1 5

<210> 16
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 16
Ser Ala Ile His Pro Ser Ser Ile Leu Lys Leu Glu Val Ile Cys Ile
1 5 10 15
Gly Val Leu Gln
20

<210> 17
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 17
Tyr Ala Glu Arg Leu Cys Thr Cys Ser Ile Lys Ala Glu Val
1 5 10

<210> 18
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 18
Lys Phe Lys His Tyr Phe Phe Trp Lys Tyr Lys
1 5 10

<210> 19
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 19
Lys Gly Tyr Phe Tyr Phe Leu Phe Lys Phe Lys
1 5 10

<210> 20
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 20
Lys Trp Lys Trp Trp Trp Trp Trp Lys Trp Lys
1 5 10

<210> 21
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon

microbiocidal domains from platelet microbial proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 21
Pro Arg Ile Lys Lys Ile Val Gln Lys Lys Leu Ala Gly
1 5 10

<210> 22
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon microbiocidal domains from platelet microbial proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 22
Lys Trp Val Arg Glu Tyr Ile Asn Ser Leu Glu Met Ser Lys Lys Gly
1 5 10 15
Leu Ala Gly

<210> 23
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon microbiocidal domains from platelet microbial proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 23
Glu Trp Val Gln Lys Tyr Val Ser Asp Leu Glu Leu Ser Ala Trp Lys
1 5 10 15
Lys Ile Leu Lys
20

<210> 24
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon microbiocidal domains from platelet microbial proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 24
Ser Trp Val Gln Glu Tyr Val Tyr Asp Leu Glu Leu
1 5 10

<210> 25
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 25
Ala Asp Ser Gly Glu Gly Asp Phe Leu Ala Glu Gly Gly Gly Val Arg
1 5 10 15

<210> 26
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 26
Ala Asp Ser Gly Glu Gly Asp Phe Leu Ala Glu Gly Gly Gly Val Arg
1 5 10 15
Lys Leu Ile Lys
20

<210> 27
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 27
Glu Gly Val Asn Asp Asn Glu Glu Gly Phe Phe Ser Ala
1 5 10

<210> 28
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 28

Lys Phe Asp Lys Ser Lys Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn
1 5 10 15
Pro Leu

<210> 29

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.

<400> 29

Ala Asn Leu Ile Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu
1 5 10 15

<210> 30

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 30

Ile Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala
1 5 10 15

Ala Leu Tyr Lys Lys Ile Ile Lys Lys Leu Leu Glu Ser
20 25 30

<210> 31

<211> 47

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 31

Thr Asn Leu Glu Leu Ile Lys Ala Gly Gly His Cys Pro Thr Ala Asn
1 5 10 15

Leu Ile Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln
20 25 30

Ala Ala Leu Tyr Lys Lys Ile Ile Lys Lys Leu Leu Glu Ser

35

40

45

<210> 32
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 32
Asn Leu Ile Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu
1 5 10 15
Gln Ala Ala Leu Tyr Lys Lys Ile Ile Lys Lys Leu Leu Glu Ser
20 25 30

<210> 33
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 33
Gln Ala Ala Leu Tyr Lys Lys Ile Ile Lys Lys Leu Leu Glu Ser
1 5 10 15

<210> 34
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 34
Ala Leu Tyr Lys Lys Phe Lys Lys Leu Leu Lys Ser Leu Lys Arg
1 5 10 15
Leu Gly Ala Leu Tyr Lys Lys Lys Leu
20 25

<210> 35
<211> 35

<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 35
Ala Leu Tyr Lys Lys Phe Lys Lys Leu Leu Lys Ser Leu Lys Arg
1 5 10 15
Leu Gly Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln
20 25 30
Ala Ala Leu
35

<210> 36
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 36
Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr

<210> 37
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 37
Cys Ala Leu Tyr Lys Lys Phe Lys Lys Lys Leu Leu Lys Ser Leu Lys
1 5 10 15
Arg Leu Gly

<210> 38
<211> 18
<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 38

Ala Leu Tyr Lys Lys Phe Lys Lys Leu Leu Lys Cys Leu Lys Arg
1 5 10 15
Leu Gly

<210> 39

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 39

Ala Leu Tyr Lys Lys Phe Lys Lys Leu Leu Lys Ser Leu Lys Arg
1 5 10 15
Leu Gly Cys

<210> 40

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 40

Cys Ala Leu Tyr Lys Lys Phe Lys Lys Leu Leu Lys Ser Leu Lys
1 5 10 15
Arg Leu Gly Cys
20

<210> 41

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 41
Ala Arg Tyr Lys Lys Phe Lys Lys Leu Leu Lys Ser Leu Lys Arg
1 5 10 15
Leu Gly

<210> 42
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 42
Ala Leu Tyr Lys Lys Phe Lys Lys Phe Leu Lys Ser Leu Lys Arg
1 5 10 15
Leu Gly

<210> 43
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 43
Ala Arg Tyr Lys Lys Phe Lys Lys Phe Leu Lys Ser Leu Lys Arg
1 5 10 15
Leu Gly

<210> 44
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 44
Gly Leu Arg Lys Leu Ser Lys Leu Leu Lys Lys Lys Phe Lys Lys Tyr
1 5 10 15
Leu Ala

<210> 45
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 45
Leu Ala Ala Gln Leu Asp Leu Cys Leu Lys Arg Gly Asn Lys Lys Thr
1 5 10 15
Ala

<210> 46
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 46
Ala Leu Tyr Lys Lys Phe Lys Lys Leu Cys Leu Asp Leu Gln Ala
1 5 10 15
Ala Leu

<210> 47
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 47

Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Lys Ser Leu Lys Arg
1 5 10 15
Leu Gly

<210> 48
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 48
Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys Lys
20

<210> 49
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 49
Ala Thr Arg Arg Asn Gly Arg Arg Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr Arg Arg Arg
20

<210> 50
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 50
Ala Thr Lys Lys Asn Gly Lys Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys Lys

20

<210> 51
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 51
Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Glu Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys Lys
20

<210> 52
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 52
Ala Thr Glu Glu Asn Gly Arg Glu Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr Glu Glu Glu
20

<210> 53
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 53
Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Lys Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys Lys
20

<210> 54
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 54
Ala Thr Lys Lys Asn Gly Glu Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys Lys
20

<210> 55
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 55
Ala Thr Lys Lys Asn Gly Gly Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys Lys
20

<210> 56
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 56
Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Gly Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys Lys
20

<210> 57
<211> 21
<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 57

Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Phe Lys Lys Lys
20

<210> 58

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 58

Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Trp Lys Lys Lys
20

<210> 59

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 59

Lys Lys Lys Tyr Leu Ala Ala Gln Leu Asp Leu Cys Leu Lys Arg Gly
1 5 10 15
Asn Lys Lys Thr Ala
20

<210> 60

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 60
Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys
20

<210> 61
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 61
Ala Thr Arg Arg Asn Gly Arg Arg Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr Arg Arg
20

<210> 62
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 62
Ala Thr Lys Lys Asn Gly Lys Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys
20

<210> 63
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 63

Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Glu Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys
20

<210> 64

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 64

Ala Thr Glu Glu Asn Gly Arg Glu Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr Glu Glu
20

<210> 65

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 65

Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Lys Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys
20

<210> 66

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 66

Ala Thr Lys Lys Asn Gly Glu Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys
20

<210> 67
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 67
Ala Thr Lys Lys Asn Gly Gly Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys
20

<210> 68
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 68
Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Gly Leu Gln Ala Ala
1 5 10 15
Leu Tyr Lys Lys
20

<210> 69
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 69
Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Phe Lys Lys

20

<210> 70
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 70
Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala
1 5 10 15
Leu Trp Lys Lys
20

<210> 71
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 71
Lys Lys Tyr Leu Ala Ala Gln Leu Asp Leu Cys Leu Lys Arg Gly Asn
1 5 10 15
Lys Lys Thr Ala
20

<210> 72
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 72
Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys Lys
20

<210> 73
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon
microbiocidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 73
Thr Arg Arg Asn Gly Arg Arg Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Tyr Arg Arg Arg
20

<210> 74
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon
microbiocidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 74
Thr Lys Lys Asn Gly Lys Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys Lys
20

<210> 75
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon
microbiocidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 75
Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Glu Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys Lys
20

<210> 76
<211> 20
<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 76

Thr Glu Glu Asn Gly Arg Glu Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Tyr Glu Glu Glu
20

<210> 77

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 77

Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Lys Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys Lys
20

<210> 78

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 78

Thr Lys Lys Asn Gly Glu Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys Lys
20

<210> 79

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 79
Thr Lys Lys Asn Gly Gly Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys Lys
20

<210> 80
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 80
Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Gly Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys Lys
20

<210> 81
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 81
Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Phe Lys Lys Lys
20

<210> 82
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 82
Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Trp Lys Lys Lys
20

<210> 83
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 83
Lys Lys Tyr Leu Ala Ala Gln Leu Asp Leu Cys Leu Lys Arg Gly Asn
1 5 10 15
Lys Lys Thr Ala
20

<210> 84
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 84
Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys

<210> 85
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 85

Thr Arg Arg Asn Gly Arg Arg Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Tyr Arg Arg

<210> 86
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 86
Thr Lys Lys Asn Gly Lys Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys

<210> 87
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 87
Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Glu Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys

<210> 88
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 88
Thr Glu Glu Asn Gly Arg Glu Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Tyr Glu Glu

<210> 89
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 89
Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Lys Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys

<210> 90
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 90
Thr Lys Lys Asn Gly Glu Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys

<210> 91
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 91
Thr Lys Lys Asn Gly Gly Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys

<210> 92
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 92
Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Gly Leu Gln Ala Ala Leu
1 5 10 15
Tyr Lys Lys

<210> 93
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 93
Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Phe Lys Lys

<210> 94
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 94
Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu
1 5 10 15
Trp Lys Lys

<210> 95
<211> 19
<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 95

Lys Lys Tyr Leu Ala Ala Gln Leu Asp Leu Cys Leu Lys Arg Gly Asn
1 5 10 15
Lys Lys Thr

<210> 96

<211> 22

<212> PRT

<213> Oryctolagus cuniculus

<400> 96

Ser Asp Asp Pro Lys Glu Ser Glu Gly Asp Leu His Cys Val Cys Val
1 5 10 15
Lys Thr Thr Ser Leu Val
20

<210> 97

<211> 37

<212> PRT

<213> Oryctolagus cuniculus

<400> 97

Ser Asp Asp Pro Lys Glu Ser Glu Gly Asp Leu His Cys Val Cys Val
1 5 10 15
Lys Thr Thr Ser Leu Val Arg Pro Arg His Ile Thr Asn Leu Glu Leu
20 25 30
Ile Lys Ala Gly Gly
35

<210> 98

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 98

Ser Asp Asp Pro Lys Glu Ser Glu Gly Asp Leu His Cys Val Cys Val
1 5 10 15
Lys Thr Thr Ser Lys Val
20

<210> 99
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 99
Ser Asp Asp Pro Lys Glu Ser Glu Gly Glu Leu Arg Cys Val Cys Val
1 5 10 15
Lys Thr Thr Ser Leu Val
20

<210> 100
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 100
Ser Asp Asp Pro Lys Glu Ser Glu Gly Glu Leu Arg Cys Val Cys Val
1 5 10 15
Lys Thr Thr Ser Lys Val
20

<210> 101
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 101
Ser Asp Asp Pro Lys Glu Ser Glu Gly Asp Leu His Cys Cys Val Lys
1 5 10 15
Thr Thr Ser Lys Val
20

<210> 102

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 102
Ser Asp Asp Pro Lys Glu Ser Glu Gly Glu Leu Arg Cys Cys Val Lys
1 5 10 15
Thr Thr Ser Leu Val
20

<210> 103
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 103
Ser Asp Asp Pro Lys Glu Ser Glu Gly Glu Leu Arg Cys Cys Val Lys
1 5 10 15
Thr Thr Ser Lys Val
20

<210> 104
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 104
Ala Leu Tyr Lys Lys Phe Lys Lys Leu Leu Lys Ser Leu Lys Arg
1 5 10 15
Leu Gly Ser Asp Asp Pro Lys Glu Ser Glu Gly Asp Leu His Cys Val
20 25 30
Cys Val Lys Thr Thr Ser Leu Val
35 40

<210> 105
<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 105

Ala	Leu	Tyr	Lys	Arg	Leu	Phe	Lys	Lys	Leu	Lys	Lys	Phe	Ser	Asp	Asp
1					5				10					15	
Pro	Lys	Glu	Ser	Glu	Gly	Asp	Leu	His	Cys	Val	Cys	Val	Lys	Thr	Thr
							20		25					30	
Ser	Leu	Val													
		35													

<210> 106

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 106

Ala	Leu	Thr	Lys	Lys	Phe	Lys	Lys	Lys	Leu	Leu	Lys	Ser	Leu	Lys	Arg
1					5				10					15	
Leu	Gly	Ser	Asp	Asp	Pro	Lys	Glu	Ser	Glu	Gly	Glu	Leu	Arg	Cys	Val
						20			25					30	
Cys	Val	Lys	Thr	Thr	Ser	Lys	Val								
		35				40									

<210> 107

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Antimicrobicidal peptide designed in part upon
microbicidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 107

Glu	Trp	Val	Gln	Lys	Tyr	Val	Ser	Asn	Leu	Glu	Leu	Ser	Ala	Trp	Lys
1					5				10					15	
Lys	Ile	Leu	Lys												
		20													

<210> 108

<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon
microbiocidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 108
Ser Trp Val Gln Glu Tyr Val Tyr Asn Leu Glu Leu
1 5 10

<210> 109
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon
microbiocidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 109
Ala Asn Ser Gly Glu Gly Asn Phe Leu Ala Glu Gly Gly Val Arg
1 5 10 15

<210> 110
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon
microbiocidal domains from platelet microbial
proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 110
Ala Asn Ser Gly Glu Gly Asn Phe Leu Ala Glu Gly Gly Val Arg
1 5 10 15
Lys Leu Ile Lys
20

<210> 111
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Antimicrobiocidal peptide designed in part upon
microbiocidal domains from platelet microbial

proteins 1 and 2 (PMP-1 and PMP-2) from rabbits

<400> 111

Lys Phe Asn Lys Ser Lys Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn
1 5 10 15

Pro Leu